

GDAAC Notes for MODIS Technical Team Meeting (8/13/98)

WEEKLY HIGHLIGHTS:

- ECS Drop 4P1 installed, checkout complete.
- Completed SSI&T through Integration I of V2.1 PGEs 12, 13, 14, 15
- Time of initial SSIT shortened due to improved quality of V2.1 DAP deliveries (PGE 7, 8, 12, 13, 14, 15)
- ECS Drop 4PL (formerly a patch) due 8/24; GDAAC working with ECS to streamline installation and checkout of 4PL.

Monday morning

WEEKLY PLAN:

- Participate in ECS Drop 4P1 acceptance testing with respect to SSIT and data production capabilities
- Test repeatability of PGE 1-2-3 chain in Ops mode

WORK IN PROGRESS AND FUTURE:

- PGEs 10 and 16 on hold. Production Rule information needed from SDST to complete integration of these PGEs. PGE16 requires an additional ESDT for integration. PGE 17 and 19 integrated with GDAAC specified production rules. Verification of successful integration needed from SDST.
- LIB Data volume increase (DAAC impact assessment to be provided by 8/28)
- MODIS-DAAC Science Agreement distributed to SDST and STMs for comment 6/98
- Comments needed by 8/30/98

ECS-SYSTEM

STATUS: YELLOW

Problem: System installation, checkout and test procedures are maturing; documentation is being brought up to date. (Yellow).

- Drop 4P1 in Test mode (TS2), Drop 4.x in SSIT mode (TS1) and Operations mode (Ops).

MAPI / SDST TK

SSIT STATUS: YELLOW

- Lien established for Error List, work-off by 7/31/98. Receipt of error list pending.

OCEAN_LIB

SSIT STATUS: YELLOW

Problem: DAAC cannot promote PGE to operations without error list documentation, lien pending; resolution schedule pending SDST communication with algorithm developers.(Yellow)

- Delivered 4/15/98; Inspection complete; Build complete.

Production readiness

Work days for SSIT	Best Case	Nominal Case	Actual
Inspection	1	3	3 (n=11)
Integration I	2	5	4 (n=20)
Integration II	3	8-15	14 (n=11)
Patch	1-4	3-8	3 (n=17)
Error Testing	4	8	4 (n=2)
Chain Testing	8	15	8 (n=2)
Total	23	54	36 (was 42)

Best Case: Little or no problems with ECS or PGE

Nominal Case: Minor problems encountered and resolved; no major blunders

Actual: Averages to date

Phases of SSI&T:

Inspection: Delivered Algorithm Package is inspected for contents and completeness. PGE is inspected for documentation, formats, file structures, and standards compliance.

Integration-I: PGE is built and run from the command line. Generated data product(s) are verified with SDST supplied comparison file(s). (**DAACbuild** for a library)

Integration-II: PGE is registered into ECS, including population of PDPS database. Test data is inserted into the Data Server for staging into production. PGE execution is planned and scheduled through ECS PDPS utilizing Autosys scheduler. Generated product(s) inserted into Data Server. Generated data product is retrieved from Data Server for verification.

GSFC DAAC Launch Readiness

PGE Name	Delivered	Integrated	Chained	Duty Cycle	Ops Readiness	§	Launch Readiness*	Notes
PGE01 (2.1)	4/15/98	5/8/98	5/20/98	100%		G	expected	Lien, SDST to provide error list by 7/31/98; <i>Lien assessment in progress</i>
PGE02 (2.0)	1/29/98	3/18/98	5/20/98	100%		G	expected	Lien, SDST to provide error list by 7/31/98; <i>Lien assessment in progress</i>
PGE02 (2.1)								
PGE03	2/18/98	4/27/98	5/26/98	100%		G	expected	Lien, SDST to provide error list by 7/31/98; <i>Lien assessment in progress</i>
PGE04	3/20/98	5/28/98	8/15/98			G	expected	Lien, SDST to provide error list by 8/31/98
PGE05	3/16/98	on hold				R	expected	Drop 4P1 needed in SSIT mode to complete integration; Lien, SDST to provide error list by 8/31/98
PGE11 (2.2)	1/7/98	6/8/98	8/31/98			G	expected	
PGE17	4/17/98	7/21/98	8/31/98			Y	expected	Lien pending, SDST to provide error list for launch readiness; Prod rules PVL needed from SDST to verify integration
PGE19	4/17/98	7/22/98	8/31/98			Y	expected	Lien pending, SDST to provide error list for launch readiness; Prod rules PVL needed from SDST to verify integration
PGE09	5/7/98	in progress				Y	expected	Lien pending, SDST to provide error list for launch readiness
PGE12 (V2.1)	7/17/98					G	contingent	Inspection and Integration I complete; ECS to provide Land Tiling 10/98; Lien, SDST to provide error list by 9/30/98
PGE13 (V2.1)	7/20/98					G	contingent	Inspection complete, Integration I complete; ECS to provide Land Tiling 10/98; Lien, SDST to provide error list by 9/30/98
PGE14 (V2.1)	7/22/98					G	contingent	Inspection complete, Integration I complete; ECS to provide Land Tiling 10/98; Lien, SDST to provide error list by 10/31/98
PGE06	9/11/98						<i>expected</i>	Compiler upgrade complete; version 1.0 was successfully integrated
PGE07 (V2.1)	6/8/98	7/23/98				G	expected	Lien, SDST to provide error list by 8/31/98
PGE20								
PGE10	5/22/98	on hold				R		Prod rules PVL needed from SDST to complete integration; Lien pending, SDST to provide error list for launch readiness
PGE49								
PGE50								
PGE51								
PGE53								
PGE54								
PGE57								
PGE69								
PGE56								
PGE16	6/22/98	on hold				R		Prod rules PVL needed from SDST to complete integration; additional ESST must be specified to complete integration; Lien pending, SDST to provide error list for launch readiness
PGE15 (V2.1)	7/27/98						contingent	Inspection complete, Integration I complete; ECS to provide Land Tiling 10/98; Lien, SDST to provide error list by 10/31/98
PGE08 (V2.1)	6/10/98	7/23/98				G	expected	Lien, SDST to provide error list by 8/31/98
*12/98 Launch		<i>contingent expected demonstrated</i>	available if known high risk problems are addressed no known high risk obstacles for launch readiness demonstrated through Ops Readiness Exercises (OREs)					
§ PGE Status Codes:								
Complete	PGE is ready to process data at launch in validation mode or ops mode							
Green	No problems or Category 1 fixes only; no high-risk liens on PGE							
Yellow	Problems in test; Category 2 or 3 fix pending; lien pending or expired							
Red	SSIT has stopped; PGE will not run in its current form; fix required before testing can continue							